

# KARAN KUMAR

📍 K R Puram, Bangalore, Karnataka 📞 +91 9801630496 ✉ [karankumar496kk@gmail.com](mailto:karankumar496kk@gmail.com) [in LinkedIn](#)

## OBJECTIVE

A highly motivated and passionate individual seeking a responsible role in a reputed organization. Eager to create value through dedicated efforts and contribute ideas while being mentored towards a successful career.

## EDUCATION

**Alva's Institute of Engineering and Technology, Mangalore, Karnataka** Nov 2020–May 2024  
*Bachelor of Engineering, Artificial Intelligence and Machine Learning* CGPA: 7.50

**Vivekanand Vision Ideal Public School, Aurangabad, Bihar** 2018 - 2020  
*12th, CBSE* Percentage: 63.20%

**DAV Public School, Rohtas, Bihar** 2017 - 2018  
*10th, CBSE* Percentage: 65.20%

## SKILLS

**Languages:** C, Python, Java, HTML, CSS, SQL, Node.js

**Frameworks/libraries:** Pandas, Tensorflow, NumPy, Scikit-Learn, Matplotlib, Django

**Tools:** Excel, PowerPoint, UiPath, MySQL, MS Word

**Platforms:** VS Code, Android Studio, IDLE Python, Google Colab, UiPath, Jupyter Notebook, PyCharm

**Additional:** Machine Learning, Deep Learning, AI, Data Science, DBMS, Operating System

**Soft Skills:** Excellent Communication, Problem-solving, Critical thinking, Project Management

## PROJECTS

**Factory Management System** Feb 2023

- \* Developed a dynamic recommendation website utilizing a variety of languages and technologies, including PHP, HTML, CSS, JavaScript, and SQL. This demonstrates expertise in web design and implementation, as well as the ability to work with a variety of programming languages and technologies.
- \* It stores the details of different types of products and their various categories, and it also generates invoices and reports of sold products. This demonstrates the ability to design and implement complex software systems.
- \* Factory Management System project is a comprehensive solution for managing the inventory, production, and sales of products.

**Plant Detection** May 2023

- \* The project is implemented on Google Colaboratory, a cloud-based Jupyter notebook environment.
- \* It employs a Convolutional Neural Network (CNN) algorithm to identify and classify different types of leaves based on their morphological features.
- \* The output of the project is a classification of the leaves in the given dataset.

**Medical Database App** June 2023

- \* Concocted and implemented a software application using Android Studio , employing Java, XML and SQL.
- \* Constructed a far-reaching application to competently handle clinical records, thus supporting streamlined healthcare data storage and retrieval.

**Maze Wanderer - Autonomous Robotic Path-finding System** Feb 2024 – May 2024

- \* Implemented using integration of hardware and software by Raspberry Pi 5 using Python.
- \* To develop and implement a reinforcement algorithm, integrating it with the robot's control system for autonomous decision-making.
- \* To successfully reach the destination with efficient pathfinding and obstacle avoidance.
- \* Validate the system's effectiveness in efficiently reaching the destination while optimizing for factors such as completion time and path efficiency.

## ACHIVEMENTS

---

- Completed 45 days of Training on **Python Full Stack Development** during March-April 2023 at **QSpiders**(Certificate).
- Presented my research paper in **International Conference on Data Science & Exploration in Artificial Intelligence, 2024** at Manipal Institute of Technology, Bengaluru(Certificate).
- Secured **2nd place** in College Project Exhibition and competition 2024.
- Demonstrated proficiency in problem-solving by solving over **300+** problems on **Codechef** and over **150+** problems on **HackerRank**, using Python, Java and C.
- Achieved Highest Rating of **1483** in **Codechef Competitive Coding** Platform with 2 stars.
- Completed one month Internship on “**Data Science and Machine learning**” during June-July 2023 at YBI Foundation.
- Conceived and published a personal website through the use of Web development languages.


## CERTIFICATIONS

---

- Foundation of Data Science, *Coursera, IBM* (Certificate)
- Basic Certificate course in Artificial Intelligence, *NASSCOM* (Certificate)
- Migrating to the AWS Cloud, *Coursera, AWS* (Certificate)
- Data Structure and Algorithm using Java, *Springboard, Infosys* (Certificate)
- Machine Learning, *Skillup learning* (Certificate)
- Python for Data Science, AI and Development, *Coursera, IBM*(Certificate)

## CODING PROFILES

---

 **Github:** <https://github.com/karankr2003/karan>

 **LeetCode:** <https://leetcode.com/karankr2003/>

 **geeksforgeeks:** <https://www.geeksforgeeks.org/user/karankumc7kx/>